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ABSTRACT OF THE DISCLOSURE

Novel proteins providing the new approach to development of the drugs and pesticides with the use or application of a hemolytic activity, and novel proteins having the following properties and the genes encoding thereof are provided:

(1) having hemolytic activity;

(2) having a molecular weight of about 50,000 Da (determined by SDS gel electrophoresis);

(3) having an amino acid sequence represented by any of SEQ ID NO 1 to SEQ ID NO 3 as a partial amino acid sequence; and

(4) having an amino acid sequence represented by SEQ ID NO 5 as the full amino acid sequence.

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